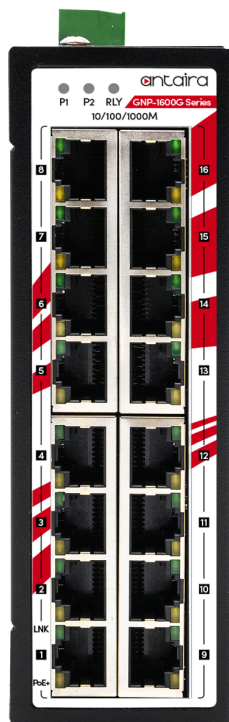


GNP-1600G(-T)

16-PORT GIGABIT UNMANAGED POE+ ETHERNET SWITCH



FEATURES

- 16*10/100/1000 with IEEE 802.3af/at PoE+ (30W/Port)
- Support 300W Total PoE Power with 56VDC Power Input
- DIN-Rail or Wall Mountable
- Standard Operating Temperature: -10°C to 70°C
- Extended Operating Temperature (-T): -40°C to 75°C
- TAA / NDAA Compliant
- 5-Year Warranty



INTRODUCTION

Antaira Technologies' GNP-1600G Series is an ultra-compact, rugged industrial 16-port Gigabit Ethernet switch featuring 30W PoE PSE ports. Designed for demanding environments, including hazardous industrial sites and centralized control stations, the GNP-1600G Series delivers reliable performance in a slim, space-saving form factor. Its compact design makes it well suited for industrial automation, IP surveillance, traffic monitoring, security, transportation, telecom, and other space-constrained applications requiring dependable network connectivity.

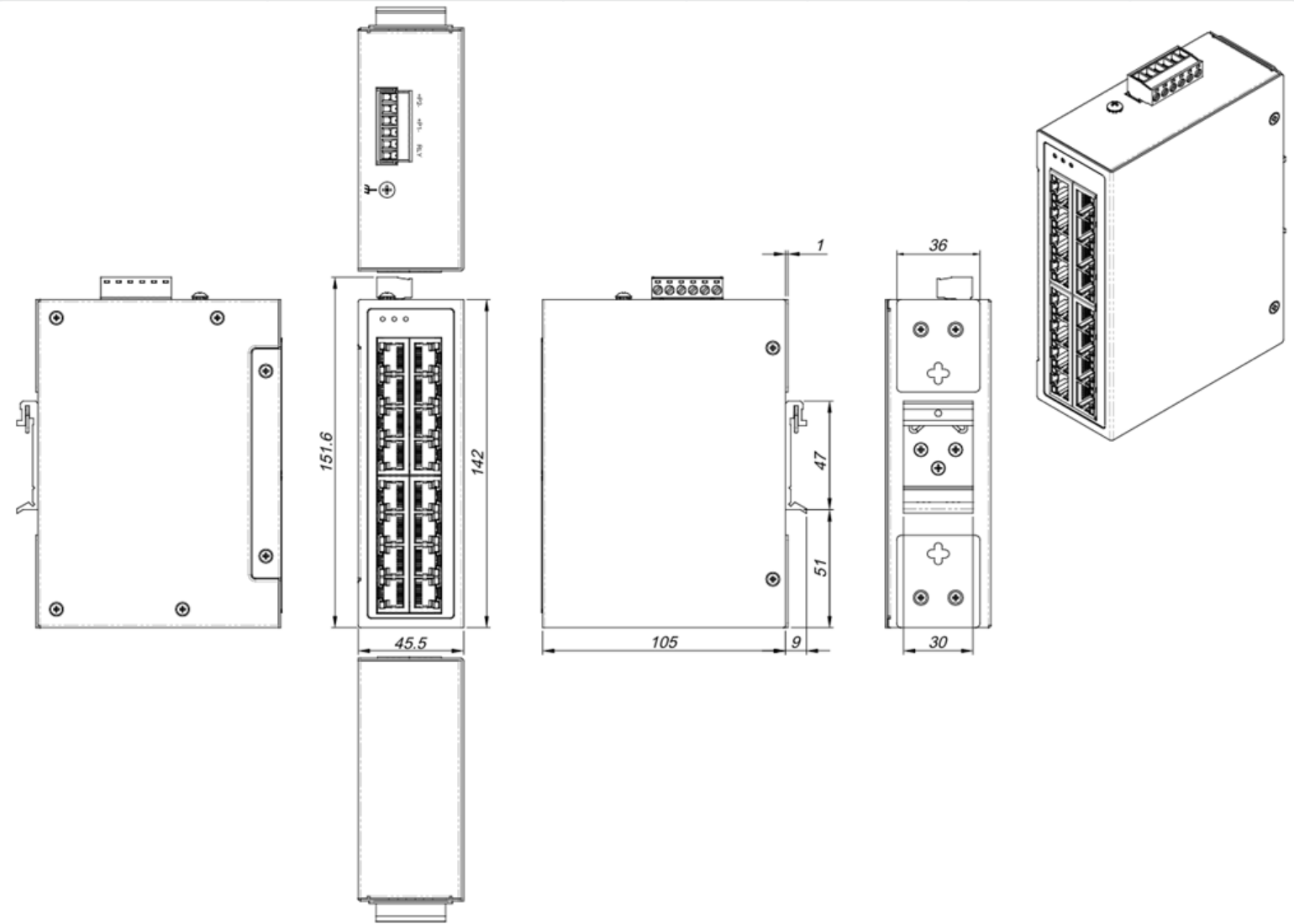
SPECIFICATIONS

Hardware Specifications

Part Number	Total Ports	RJ45 100M	30W PoE+	PoE Budget	Power Consumption	Power Input	Operating Temperature
GNP-1600G GNP-1600G-T	16	16	16	300W with 56VDC input	10.64W @56VDC full load without PoE	Dual Redundant 48~56VDC	STD: -10°C to 70°C (14 to 158°F) (-T): -40 to 75°C (-40 to 167°F)

Physical Specifications

Part Number	Dimensions (W x H x D)	Weight (Unit)	Weight (Shipping)	Housing	Mounting	PoE LED Indicator
GNP-1600G GNP-1600G-T	45.5 x 142 x 105mm 1.79 x 5.59 x 4.13in	0.50kg 1.10lb	0.66kg 1.45lb	Aluminum, IP50	DIN-Rail, Wall Mount	Yes



Standards

Part Number	IEEE Standards
GNP-1600G GNP-1600G-T	IEEE 802.3 10BASE-T Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE 802.3x Flow Control and Back Pressure IEEE 802.3af Power over Ethernet IEEE 802.3at Power over Ethernet plus

Switch Properties

Switch Architecture	Back-plane (Switching Fabric): 3.2Gbps
Data Processing	Store and Forward

Flow Control	IEEE 802.3x Flow Control and Back Pressure
Jumbo Frame	9KB
MAC Address Table Size	8K
Packet Buffer Size	4.1Mbits
Network Connector	16*RJ45 10/100B/1000aseT(X) auto negotiation, Auto MDI/MDI-X function, Full/Half duplex 16*10/100/1000Mbps 802.3af/at PSE ports
Network Cable	UTP/STP Cat.5e or above cable EIA/TIA-568 (100m)
Protocol	CSMA/CD
LED	PWR1, PWR2, RJ45 Port: LNK and PoE
Reverse Polarity Protection	Present
Overload Current Protection	Present
Alarm Relay Contact	Relay outputs with current carrying capacity of 1A@24VDC Relay in open circuit mode when 2 powers are connected, in short circuit mode when only one power supply is connected
Removable Terminal Block	6-Pin Terminal block Dual Redundant Power, Alarm Relay Contact Wire range: 0.34mm ² to 2.5mm ² Solid wire (AWG): 12~24 Stranded wire (AWG): 12~24 Torque: 5lb-In/0.5N/0.56Nm Wire strip length: 7~8mm

Compliance Specifications

Safety	MET (Complies with UL 62368-1) LVD (EN 62368-1)
EMC	CE (EN 55032 / EN 55035), FCC
EMI	FCC Part 15 Subpart B Class A
EMS	IEC 61000-4-2 ESD: Contact: 6KV; Air: 8KV IEC 61000-4-4 EFT: Power: 2KV; Signal: 2KV IEC 61000-4-5 Surge: Power: 2KV; Signal: 2KV
Vibration	EN 60068-2-6
Shock	EN 60068-2-27
Free Fall	EN 60068-2-31
Storage Temperature	-40 to 85°C (-40 to 185°F)
Ambient Relative Humidity	5% to 95%, (non-condensing)
Country of Origin	Made in Taiwan, TAA/NDAA Compliant
Warranty	5 Years

Mean Time Between Failure (MTBF)

GNP-1600G	502,107.1947 hrs.
GNP-1600G-T	502,107.1947 hrs.

ORDERING INFORMATION

Switch Models	
Part Number	Description
GNP-1600G	16-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, w/16*10/100Tx (30W/Port) + 1*10/100Tx
GNP-1600G-T	16-Port Industrial Gigabit PoE+ Unmanaged Ethernet Switch, w/16*10/100Tx (30W/Port) + 1*10/100Tx; EOT: -40~75°C

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Specifications are subject to change without notice and without incurring any obligation.